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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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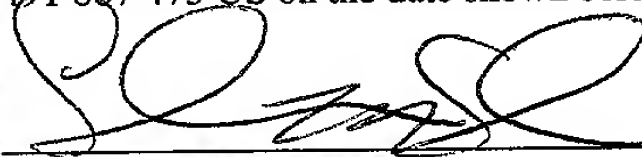
Dear Sir:

Transmitted herewith for filing are the specification and claims of the utility patent application of:

Inventor(s): Junhyong Kim and Shan Jiang

Title of Invention: VISUALIZATION AND MANIPULATION OF BIOMOLECULAR RELATIONSHIPS USING GRAPH OPERATORS

Also enclosed are:

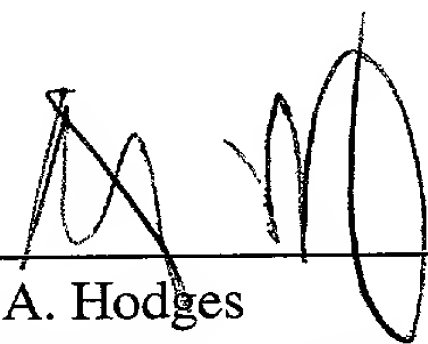
17	SHEETS OF	<input checked="" type="checkbox"/> FORMAL DRAWINGS	<input type="checkbox"/> INFORMAL DRAWINGS
	OATH OR DECLARATION OF APPLICANT(S)		
	A POWER OF ATTORNEY		
	A PRELIMINARY AMENDMENT		
X	APPLICANT CLAIMS SMALL ENTITY STATUS. SEE 37 C.F.R. § 1.27.		
	A CHECK IN THE AMOUNT OF TO COVER THE FILING FEE.		
	THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES WHICH MAY BE REQUIRED IN CONNECTION WITH THE FOLLOWING OR CREDIT ANY OVERPAYMENT TO ACCOUNT NO. 14-0629.		
	A CERTIFIED COPY OF PREVIOUSLY FILED FOREIGN APPLICATION NO. FILED IN ON .		
X	<p>I hereby certify that this correspondence is being placed in the United States Mail as Express Mail No. EL 491-887 473 US on the date shown below.</p> <p>  7-31-01 </p> <p> Everardo A. McFarlane DATE </p>		
	A computer readable form of the sequence listing in compliance with 37 C.F.R. § 1.821(e). The content of the computer readable form of the sequence listing and the sequence listing in the specification of the application as filed are the same.		
X	OTHER (IDENTIFY) Authorization to Treat Reply Requiring Extension of Time as Incorporating Petition for Extension of Time and Return Postcard		

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

TOTAL CLAIMS = $63 - 20 = 43 \times \$18.00 =$	\$774.00
INDEPENDENT CLAIMS = $12 - 3 = 9 \times \$80.00 =$	\$720.00
BASIC FEE =	\$710.00
TOTAL OF ABOVE CALCULATIONS =	\$2204.00
REDUCTION BY 1/2 FOR SMALL ENTITY =	\$1102.00
TOTAL FILING FEE =	\$1102.00

Respectfully submitted,



Robert A. Hodges
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